

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Claudio SOTO-JARA, et al.

SERIAL NO: New U.S. PCT Application Based on PCT/EP04/51170

GAU:

FILED: Herewith

EXAMINER:

FOR: USE OF PRION CONVERSION MODULATING AGENTS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION


- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



Norman F. Oblon

Registration No. 24,618

Corwin P. Umbach, Ph.D.

Registration No. 40,211

Surinder Sachar

Registration No. 34,423

Customer Number

22850

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 05/03)

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. <b>281278US0PCT</b>		SERIAL NO. New U.S. PCT Application Based on PCT/EP04/51170	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT <b>Claudio SOTO-JARA, et al.</b>			
FILING DATE <b>Herewith</b>				GROUP			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	AA	2002/0154426	LANG, Heinrich et al.				
	AB	6,462,171	SOTO-JARA, Claudio et al.				
	AC	6,022,683	POIRIER, Judes				
	AO	2004/0018554	GREEN, Larry R.				
	AE	5,276,059	CAUGHEY, Byron et al.				
	AF	5,134,121	MOBLEY, William C.				
	AC	6,355,610	CHESEBRO, Bruce W. et al.				
	AH	5,948,763	SOTO-JARA, Claudio et al.				
	AI	6,369,075	RUGGERI, Roger et al.				
	AJ	6,197,972	HEERES, Jan et al.				
	AK	2002/0128175	ANANTHARAMAIAH, Gattadahalli M.				
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
	AL	02/065133	WO (with English abstract)				No
	AM	03/005037	WO (with English abstract)				No
	AN	97/14437	WO				No
	AO	99/15159	WO				No
	AP	02/04954	WO				No
	AQ	03/002533	WO				No
	AR	01/68710	WO				No
	AS	03/045921	WO				No
	AT	2004/043403	WO				No
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AU	LINGAPPA, V.R. et al.: "Translocations Pausing and the Regulation of Membrane Protein Biogenesis" MEMBRANE PROTEINS: STRUCTURE, FUNCTION AND EXPRESSION CONTROL KYUSHU UNIVERSITY PRESS; S. KARGER AG, & INTERNATIONAL SYMPOSIUM, Pages 93-100 (XP001183818) 1997					
	AV	CLAVEY, V. et al.: "Interaction entre le LDL-recepteur et les Lipoproteines Contenant de l'Apo B" / "Interaction Between the LDL Receptor and the Lipoproteins Containing APOB", ANNALES D' ENDOCRINOLOGIE, Masson, Paris, France; Vol. 52, Pages 459-463 (XP001029770), 1991					
	AW	BAUMANN, Marc H. et al.: "Apolipoprotein E includes a binding site which is recognized by several amyloidogenic polypeptides" BIOCHEMICAL JOURNAL, (XP002262330), Vol. 349, Pages 77-84, 2000					
	AX	DIEDRICH, Jane F. et al.: "Neuropathological changes in scrapie and Alzheimer's disease are associated with increased expression of apolipoprotein E--and cathepsin D in astrocytes" JOURNAL OF VIROLOGY (XP000443989), Vol. 65, No. 9, Pages 4759-4768, September 1991					
	AY	CHOE, Leila H. et al.: "Apolipoprotein E and other cerebrospinal fluid proteins differentiate ante mortem variant Creutzfeldt-Jakob disease from ante mortem sporadic Creutzfeldt-Jakob disease" ELECTROPHORESIS (XP002262331), Vol. 23, No. 14, Pages 2242-2246, 2002					
	AZ	GOLAZ, Olivier et al.: "Phenotyping of apolipoprotein E using immobilized pH gradient gels for one-dimensional and two-dimensional separations" ELECTROPHORESIS (XP009021630), Vol. 16, No. 7, Pgs 1184-1186, 1995				<input checked="" type="checkbox"/> Additional References sheet(s) attached	
Examiner				Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

IAP9 Rec'd PCT/PTO 16 DEC 2009

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO.  281278US0PCT		SERIAL NO. New U.S. PCT Application Based on PCT/EP04/51170	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT  Claudio SOTO-JARA, et al.			
				FILING DATE  Herewith		GROUP	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AAA	LUCASSEN, Ralf et al.: "In Vitro Amplification of Protease-Resistant Prion Protein Requires Free Sulfhydryl Groups" BIOCHEMISTRY (XP002262517) Vol. 42, No. 14, Pages 4127-4135, 2003					
	AAB	ENARI, M. et al.: "Scrapie prion protein accumulation by scrapie-infected neuroblastoma cells abrogated by exposure to a prion protein antibody", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, Vol. 98, No. 16, Pages 9295-9299 (XP002959455) July 31, 2001					
	AAC	SCHULZ-SCHAEFFER, Walter J. et al.: "The Paraffin-Embedded Tissue Blot Detects PrP <sup>Sc</sup> Early in the Incubation Time in Prion Diseases", AMERICAN JOURNAL OF PATHOLOGY (XP002262332) Vol. 156, No. 1, Pages 51-56, January 2000.					
	AAD	KORTH, C. et al.: "Prion (Pr <sup>Sc</sup> )-specific epitope defined by a monoclonal antibody" NATURE, MacMillan Journals Ltd. London, GB (XP002069611) Vol. 390, Pages 74-77, November 6, 1997					
	AAE	AIZAWA, Yuji et al.: "Amino-terminus truncated apolipoprotein E is the major species in amyloid deposits in Alzheimer's disease-affected brains: a possible role for apolipoprotein E in Alzheimer's disease" BRAIN RESEARCH Vol. 768, Pages 208-214, 1997					
	AAF	BARON, Gerald S. et al.: "Conversion of raft associated prion protein to the protease-resistant state requires insertion of PrP-res (PrP <sup>Sc</sup> ) into contiguous membranes" THE EMBO JOURNAL Vol 21, No. 5, Pages 1031-1040, 2002					
	AAG	BRUCE, M.E. et al.: "Transmissions to mice indicate that 'new variant' CJD is caused by the BSE agent" NATURE, Vol. 389, Pages 498-501, October 2, 1997					
	AAH	BUELER, H. et al.: "Mice Devoid of Prp Are Resistant to Scrapie" CELL Vol. 73, Pages 1339-1347, July 2, 1993					
	AAI	CHABRY, Joelle et al.: "Specific Inhibition of in Vitro Formation of Protease-resistant Prion Protein by Synthetic Peptides" THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 273, No. 21, Pages 13203-13207, May 22, 1998					
	AAJ	CHOI, Sungshin Y. et al.: "Dissociation of LPL and LDL: effects of lipoproteins and anti-apoB antibodies" JOURNAL OF LIPID RESEARCH, Vol. 38, Pages 77-85, 1997					
	AAK	COHEN, Fred E. et al.: "Pathologic Conformations of Prion Proteins" ANNU. REV. BIOCHEM., Vol 67, Pages 793-819, 1998					
	AAL	FANTINI, Jacques et al.: "Lipid rafts: structure, function and role in HIV, Alzheimer's and prion diseases" EXPERT REVIEWS IN MOLECULAR MEDICINE, Pages 1-22, December 20, 2002					
	AAM	HOOPER, Nigel M.: "Detergent-insoluble glycosphingolipid/cholesterol-rich membrane domains, lipid rafts and caveolae (Review)", MOLECULAR MEMBRANE BIOLOGY, Vol. 16, Pages 145-156, 1999					
	AAN	PAN, Keh-Ming et al.: "Conversion of $\alpha$ -helices into $\beta$ -sheets features in the formation of the scrapie prion proteins" PROC. NATL. ACAD. SCI. USA, Vol. 90, Pages 10962-10966, December 1993					
	AAO	PRUSINER, Stanley B.: "Molecular Biology of Prion Diseases" SCIENCE, Vol. 252, Pages 1515-1522, June 14, 1991					
	AAP	PRUSINER, Stanley B.: "Prions" PROC. NATL. ACAD. SCI. USA, Vol. 95, Pages 13363-13383, November 1998					
	AAQ	ROOS, Raymond et al.: "The Clinical Characteristics of Transmissible Creutzfeldt-Jakob Disease" BRAIN, Vol. 96, Pages 1-20, 1973					
Examiner				Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

10/560978

IAP9 Rec'd PCT/PTO 16 DEC 2005

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO.  281278US0PCT		SERIAL NO. New U.S. PCT Application Based on PCT/EP04/51170	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT  Claudio SOTO-JARA, et al.			
				FILING DATE  Herewith		GROUP	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AAR	SABORIO, Gabriela P. et al.: "Cell-Lysate Conversion of Prion Protein into Its Protease-Resistant Isoform Suggest the Participation of a Cellular Chaperone" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, Vol. 258, Pages 470-475, 1999					
	AAS	SABORIO, Gabriela P. et al.: "Sensitive detection of pathological prion protein by cyclic amplification of protein misfolding", NATURE, Vol. 411, Pages 810-813, June 14, 2001					
	AAT	SEGREST, Jere P. et al.: "Structure of apolipoprotein B-100 in low density lipoproteins" JOURNAL OF LIPID RESEARCH, Vol. 42, Pages 1346-1367, 2001					
	AAU	SIMONS, Kai et al.: "Lipid Rafts and Signal Transduction" MOLECULAR CELL BIOLOGY, Vol. 1, Pages 31-41, October 2000					
	AAV	SCOTT, Michael R. et al.: "Compelling transgenic evidence for transmission of bovine spongiform encephalopathy prions to humans" PROC. NATL. ACAD. SCI. USA, Vol. 96, No. 26, Pages 15137-15142, December 21, 1999					
	AAW	SOTO, Claudio et al.: "Prions: disease propagation and disease therapy by conformational transmission" TRENDS IN MOLECULAR MEDICINE, Vol. 7, No. 3, Pages 109-114, March 2001					
	AAX	TARABOULOS, Albert et al.: "Cholesterol Depletion and Modification of COOH-Terminal Targeting Sequence of the Prion Protein Inhibit Formation of the Scrapie Isoform" THE JOURNAL OF CELL BIOLOGY, Vol. 129, No. 1, Pages 121-132, April 1995					
	AAY	TELLING, Glenn C. et al.: "Transmission of Creutzfeldt-Jakob disease from humans to transgenic mice expressing chimeric human-mouse prion protein" PROC. NATL. ACAD. SCI. USA, Vol. 91, Pages 9936-9940, October 1994					
	AAZ	TSUI-PIERCHALA, Brian A. et al.: "Lipid rafts in neuronal signaling and function" TRENDS IN NEUROSCIENCES, Vol. 25, No. 8, Pages 412-417, August 2002					
	ABA	WANG, Xingyu et al.: "Well-Defined Regions of Apolipoprotein B-100 Undergo Conformational Change During Its Intravascular Metabolism" ARTERIOSCLER THROMB VASC BIOL., Vol. 20, Pages 1301-1308, 2000					
	ABB	WILL R. G. et al.: "A new variant of Creutzfeldt-Jakob disease in the UK" LANCET, Vol. 347, Pages 921-925, 1996					
	ABC	YAMADA, Toshiyuki et al.: "Further Characterization of a Monoclonal Antibody Recognizing Apolipoprotein E Peptides in Amyloid Deposits" ANNALS OF CLINICAL AND LABORATORY SCIENCE, Vol. 27, No. 4, Pages 276-281, 1997					
	ABD						
	ABE						
	ABF						
	ABG						
	ABH						
Examiner						Date Considered	
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

New U.S. PCT Application based on PCT/EP04/51170  
Docket No. 281278US0PCT

STATEMENT OF RELEVANCY

1) References AA-AD, AL-AO, AU-AZ and AAA-AAB have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.

2) References AAC and AAD have been cited in the corresponding Partial European Search Report. A copy of these references is being submitted herewith.

3) References AE-AK, AP-AT and AAE-ABC are discussed in the specification. A copy of these references is being submitted herewith.

4) References \_\_\_\_\_ are additional prior art known to Applicant. A copy of these references is being submitted herewith.